

DET Lab 04

Problem Statement:

ETL Using PowerBI /Tableau/Statistica/

1. Extract the database in power BI
2. Perform various transformations (format change, column name change, removing unwanted columns, filling missing data, removing duplicates, merging)
3. View the database in various forms.
4. Build a meaningful interactive dashboard using various charts
5. Generate the reports on different dimensions and measures(min . 5)

Use data in various formats and perform on various domains

1. Retail Company Sales – Batch 1
2. Healthcare data – Batch 2
3. Education/ university data – Batch 3
4. Crime Dataset - Practice

Objectives:

- The ability to visually analyze data and gain valuable insights.
- The aims to simplify the process of data exploration by providing a user-friendly interface that allows users to interact with data in real-time.
- To enables users to create data visualizations, dashboards, and reports.

Theory:

Extracting Data

Transforming Data

Loading Data

Data Analysis

Input:

- Datasets in excel or CSV format or CSV dump from mysql

Output: data analysis reports

Platform: Windows

Conclusion:

FAQs:

Q 1. Differentiate between Tableau and Power BI features?

Q 2. What is the purpose of Tableau dashboard?